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HYDROLOGICAL MEMORANDA NO. 23

RAINFALL OVER THE ISLES OF MAN, JERSEY AND GUERNSEY, 1916-1950.

1. Rainfall, 1916-1950

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1.1. Introduction. The estimation of standard-period averages, for the months and for the year, is carried out in three stages; the selection of sound, homogeneous records which are complete for the 35 years, 1916-1950, and which provide arithmetic means of monthly and annual rainfall, the basic values for all other work; the estimation of standard-period averages for short-period stations; the estimation of standard-period, monthly averages for stations in the second group, where these are needed for special purposes.

A detailed account of the methods developed and used in the Meteorological Office (M.O.3.) to estimate standard-period averages for short-period records is given in Hydrological Memoranda No. 5, but in the case of the Channel Islands it was necessary to adapt the methods to the special circumstances. The break in some of the Channel Island records because of the German occupation complicated our work but many monthly and annual totals were sent to us later.

1.2. The Primary Survey of stations with complete homogeneous records for the 35 years included only a few stations, Douglas and West Baldwin Reservoir in the Isle of Man, St. Brelade and Millbrook Reservoir in Jersey and Haut Nez in Gurnsey (very close to the airport). The monthly and annual averages, in inches and as percent of annual average are shown in Table I. The monthly and annual averages in inches for Douglas, Millbrook and Haut Nez are given in the H.M.S.O. publication M.O.635 "Averages of Rainfall for Great Britain and Northern Ireland, 1916-1950."

1.3. The Secondary Survey of short-period stations, using records into the late 1950's, resulted in the acceptance of the averages listed in Table II and using these and the five averages listed in Table I maps of average annual rainfall were plotted and drawn (see fig.1 scale 1;625,000 or about 10 miles to one inch).
The initial work was done on large scale Ordnance Survey maps, one mile to the inch for the Isle of Man, 3 miles to the inch for Jersey and Guernsey.

The stations in Table II are listed in the new order which is being used for the first time in British Rainfall, 1961. For the Isle of Man National Grid References are given; for the Channel Islands those of the Universal Transverse Mercator Grid are used.

1.4. Monthly averages. Further monthly averages are given in Table III for five stations using the annual averages quoted in Table II and the proportion (per cent) of monthly averages adapted for the purpose from those quoted in Table I.

1.5. Daily Rainfall, 1916-1950. The records for Douglas in the Isle of Man and for Millbrook reservoir in Jersey have been analysed further. Table IVa shows 25 year daily totals for each day of the year. Table IVb gives 1/35 of all possible totals in the stations chosen for Great Britain, thus providing a reduction table for values in IVa to give average daily falls (for February 29 the factor is of course 1/9).

2. Frequencies of Rainfall, 1960-50. Amounts of daily rainfall for Douglas and Millbrook Reservoir have been regrouped to give frequencies at intervals of 0.10 inch and these are shown in Table V as accumulated frequencies at intervals of 0.10 in. and at wider intervals above this.

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3. Extremes of Rainfall The records for Douglas, Millbrook and Haut Nez * were also used to find monthly and annual, maximum and minimum totals * the 35 years, 1916-1950, and also additional maxima and minima for the 50 years, 1911-60. These extremes are set out in Table VI. Maximum daily falls for each month are given in Table VII.

Appendix I Falls in 2 hours or less which have been recorded in British Rainfall and rank 'noteworthy', 'remarkable' or 'very rare' are listed in Appendix I.

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* The daily records for the war years have recently been sent to us by the Water Engineer Manager of Guernsey. There will be some delay but when the values have been recorded for analysis by machine methods, we will add the results to tables IV and V and distribute as an Appendix.

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TABLE I. Monthly and Annual Averages of Rainfall (in inches), 1916-1950
Isle of Man, Jersey and Guernsey

County	Station	Alt ft.	N.G.R.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	
							Isle of Man										
Isle of Man	Douglas Borough Cemetery	284	SC(24)382776	4.99	3.13	2.90	2.62	2.89	2.80	3.07	3.88	4.21	5.07	4.74	4.87	45.17	Inch
				11.1	6.9	6.4	5.8	6.4	6.2	6.8	8.6	9.3	11.2	10.5	10.8	100.0	%
"	W.Baldwin Reservoir	475	SC(24)358831	6.82	4.24	3.84	3.51	3.57	3.39	4.15	4.91	5.39	6.77	6.49	6.80	59.88	Inch
				11.4	7.1	6.4	5.9	6.0	5.6	6.9	8.2	9.0	11.3	10.8	11.4	100.0	%
							Guernsey										
Channel Islands	Haut Nez	340	WV(554)311762	3.77	2.73	2.43	2.13	2.07	1.64	2.21	2.44	2.91	3.69	4.53	4.00	34.55	Inch
				10.9	7.9	7.0	6.2	6.0	4.7	6.4	7.1	8.4	10.7	13.1	11.6	100.0	%
							Jersey										
Channel Islands	St. Brelade, La Sargente	194	WV(554)566486	3.37	2.48	2.09	2.14	1.96	1.54	2.03	2.46	2.65	3.51	4.32	3.64	32.19	Inch
				10.5	7.7	6.5	6.7	6.1	4.8	6.3	7.6	8.2	10.9	13.4	11.3	100.0	%
"	Millbrook Reservoir	53	WV(554)631507	3.79	2.72	2.28	2.21	1.93	1.59	2.09	2.58	2.80	3.57	4.70	4.05	34.31	Inch
				11.1	7.9	6.7	6.4	5.6	4.6	6.1	7.5	8.2	10.4	13.7	11.8	100.0	%

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TABLE II Estimated Annual Averages of Rainfall (in inches) 1916-1950 for short-period stations. (Isles of Man, Jersey and Guernsey)

County	Station	Annual Average in.	Alt. ft.	N.G.R.
	Isle of Man			
Isle of Man	Block Earey Dam	63.01	620	SC(24)388900
"	Ballure Reservoir	51.17	245	SC(24)455930
"	Clypse Reservoir	46.12	440	SC(24)403807
"	Ronaldsway	34.29	55	SC(24)279688
"	Cringle Reservoir	47.90	500	SC(24)253743
"	Ballagaune Reservoir	39.70	365	SC(24)237715
"	Port St. Mary	33.40	25	SC(24)209671
"	Point of Ayre	30.96	30	NX(25)467043
	Guernsey			
Channel Islands	La Turquie	24.50	40	WV(554)357829
"	Les Quartiers	31.56	40	WV(554)323804
"	Guernsey Airport	33.93	340	WV(554)294759
"	Kings Mills	34.16	47	WV(554)292787
	Jersey			
Channel Islands	St. Ouen, La Brecquette	32.42	55	WV(554)558542
"	St. Ouen's Manor	31.68	260	WV(554)583530
"	Jersey Airport	32.78	273	WV(554)587508
"	Handois Reservoir	37.74	250	WV(554)631536
"	Trinity	35.90	340	WV(554)659539
"	St. Helier	30.12	28	WV(554)651483
"	St. Louis Observatory	33.35	180	WV(554)660493
"	St. Saviour, Petit Menage	33.24	30	WV(554)662811
"	St. Rocque, Sandhurst	24.99	10	-
"	St. Aubine, Belle Vue	33.09	220	-

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TABLE III Monthly and Annual Averages of Rainfall, 1916-1950, estimated for short period station (in inches)
Isles of Man, Jersey and Guernsey

County	Station	Jan.	Feb.	Mar.	Apr.	May.	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Isle of Man	Ronaldsway	3.81	2.37	2.16	1.99	2.19	2.12	2.33	2.95	3.19	3.84	3.60	3.74	34.29
"	Port of Ayre	3.44	2.07	1.92	1.77	2.01	1.92	2.17	2.69	2.88	3.47	3.25	3.37	30.96
Channel Islands	Guernsey Airport	3.70	2.68	2.38	2.10	2.04	1.59	2.17	2.41	2.85	3.63	4.44	3.94	33.93
" "	Jersey Airport	3.64	2.59	2.19	2.10	1.83	1.51	2.00	2.46	2.69	3.41	4.49	3.87	32.78
" "	St. Helier	3.34	2.38	2.02	1.93	1.69	1.38	1.84	2.26	2.47	3.13	4.13	3.55	30.12

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Table IVa. 35-year totals of rainfall (in inches)
1916-50

Douglas, Isle of Man

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	5.08	4.51	3.45	3.84	1.59	4.87	3.22	4.46	5.78	3.63	6.19	7.12
2	5.55	5.40	2.22	3.93	2.14	4.36	2.43	3.20	5.20	6.70	7.35	5.74
3	6.75	5.82	4.78	2.38	3.93	5.49	4.56	2.15	7.05	4.78	4.55	5.24
4	6.38	4.14	3.94	3.55	3.73	3.79	2.95	5.13	4.16	5.65	6.90	8.78
5	4.76	5.53	4.08	3.20	5.56	2.96	3.04	4.73	3.36	6.77	5.07	4.87
6	7.56	5.46	2.73	1.95	3.30	4.14	3.83	5.89	5.85	5.25	3.68	4.87
7	6.96	5.55	2.78	3.11	2.91	3.98	2.78	4.40	2.72	5.62	6.43	6.64
8	5.03	4.44	2.31	3.69	1.99	1.73	3.74	5.14	3.63	8.39	3.65	5.55
9	6.42	4.35	1.72	2.95	2.70	2.60	2.92	4.84	4.81	7.06	4.59	6.90
10	6.40	3.27	1.49	3.42	2.63	2.54	2.95	1.93	4.25	5.79	5.21	7.04
11	3.98	2.46	3.63	2.87	2.68	2.51	3.44	3.31	2.68	4.05	9.34	5.43
12	8.46	4.38	5.41	3.20	5.01	4.39	3.33	4.88	6.04	4.94	4.25	3.06
13	4.01	2.27	2.56	3.05	2.54	2.70	4.84	3.69	5.56	5.75	5.53	5.91
14	6.00	4.17	1.42	3.90	2.25	3.48	4.21	2.69	4.90	3.61	6.72	5.65
15	4.75	4.37	2.58	2.83	4.90	2.56	4.02	5.85	8.10	4.15	4.28	6.87
16	5.59	2.63	4.78	3.59	3.98	3.69	1.50	4.73	7.65	4.15	6.77	4.31
17	5.80	3.04	4.08	4.07	4.21	3.17	3.78	4.25	5.56	5.98	3.50	3.58
18	5.51	3.13	5.59	1.38	2.35	2.90	4.56	5.53	3.29	5.35	8.82	5.13
19	5.38	4.92	5.72	2.92	2.09	3.25	2.51	3.77	5.61	5.75	6.83	4.38
20	5.11	3.13	3.46	2.37	3.03	2.54	6.25	7.12	4.64	4.66	5.65	5.90
21	5.89	1.97	2.91	2.74	2.25	3.18	2.80	4.79	5.20	5.83	5.70	4.92
22	5.29	3.37	3.36	2.50	5.12	2.25	3.37	3.08	5.61	4.05	6.28	4.51
23	4.37	1.32	2.81	4.29	4.18	2.37	2.67	3.23	4.75	8.68	5.97	4.17
24	6.33	3.98	3.00	4.37	4.51	1.10	1.53	5.24	5.40	7.36	4.34	4.29
25	3.55	2.87	2.46	2.98	2.68	2.70	3.27	3.64	6.92	10.39	7.42	4.92
26	4.17	4.83	2.46	1.77	4.77	2.70	2.62	2.89	2.90	5.33	4.73	5.78
27	4.81	4.82	2.57	3.39	2.96	4.49	4.03	6.96	2.92	3.56	6.60	3.90
28	6.06	2.18	2.29	2.04	2.31	4.63	7.11	5.77	2.46	3.37	4.05	6.27
29	6.39	1.22	4.78	3.24	2.07	2.80	4.33	3.48	4.00	8.01	3.87	7.31
30	4.26	-	2.70	2.49	2.01	3.81	3.07	2.78	5.72	4.93	4.70	5.15
31	8.83	-	3.28	-	4.60	-	1.55	4.98	-	7.52	-	7.02

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Table IVa. 35-year daily totals of rainfall (in inches)
1916-1950

Millbrook, Jersey

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	5.10	4.89	2.65	2.58	1.46	3.79	2.84	3.62	2.22	2.36	7.10	6.39
2	5.45	4.94	2.61	4.82	1.24	1.12	2.52	2.29	3.09	4.10	7.22	4.86
3	6.06	3.51	3.58	4.79	1.97	1.54	2.53	3.16	3.69	3.07	5.96	4.52
4	2.91	3.62	3.94	2.50	3.12	2.11	1.73	2.62	1.78	2.90	3.98	5.15
5	3.46	3.56	2.00	5.54	0.98	3.17	3.19	1.65	1.93	2.92	6.83	4.55
6	4.32	4.12	2.36	2.80	2.04	2.39	1.56	2.07	2.93	3.89	6.83	4.70
7	3.79	3.50	2.31	1.12	2.05	2.64	2.20	2.29	1.14	3.82	7.26	3.95
8	3.05	2.94	3.48	0.92	1.55	1.47	2.84	2.15	1.86	4.33	4.16	6.40
9	3.16	4.18	2.05	1.52	1.08	1.83	2.89	1.99	2.76	3.11	6.00	3.28
10	3.96	2.87	2.65	2.38	2.93	1.32	2.37	1.72	2.08	2.37	5.01	6.74
11	5.76	2.40	2.30	3.39	1.83	2.59	1.62	1.57	1.41	2.43	5.28	2.74
12	4.51	3.25	2.29	1.90	2.88	1.28	1.65	3.28	2.32	2.66	3.93	1.91
13	6.33	2.58	2.63	2.58	2.18	2.85	1.45	2.07	3.71	3.29	6.36	4.28
14	2.90	1.79	2.29	4.51	1.99	2.30	3.58	3.50	2.83	3.77	5.74	4.75
15	5.01	2.73	1.33	3.59	2.19	1.63	4.20	1.46	3.58	2.85	6.77	3.81
16	4.30	4.37	2.39	2.53	1.68	0.78	1.68	3.82	4.62	3.52	6.58	4.33
17	3.64	3.77	2.98	3.98	3.06	1.64	2.79	2.67	3.50	3.42	4.79	2.83
18	4.32	3.00	1.57	3.23	1.16	1.26	1.90	3.40	6.48	4.05	5.14	3.25
19	4.61	2.09	2.32	1.90	1.40	0.61	0.99	5.16	5.27	2.54	4.94	3.66
20	4.21	3.26	1.39	1.49	1.71	3.11	4.11	3.83	5.66	5.12	6.51	3.21
21	3.47	3.40	1.88	1.74	2.42	1.61	2.54	2.70	5.01	3.09	2.69	5.13
22	4.23	2.72	2.94	1.06	1.11	1.19	1.00	3.91	5.45	6.91	4.62	4.20
23	3.75	3.89	3.38	2.43	3.58	1.05	1.30	3.95	3.73	6.07	5.34	4.49
24	3.25	3.49	2.62	1.83	2.86	1.08	2.79	5.94	2.41	4.32	6.16	3.16
25	3.69	4.91	4.11	3.15	4.08	2.30	3.10	1.56	2.23	5.34	4.02	3.25
26	3.80	4.08	1.71	1.89	2.09	1.35	2.52	1.81	4.49	6.13	4.65	5.74
27	3.63	1.75	2.31	1.78	2.45	1.01	1.53	2.31	1.94	5.53	5.74	6.38
28	5.17	2.99	3.33	2.00	3.52	0.89	5.16	4.31	2.54	5.17	4.40	6.16
29	5.18	0.70	4.31	1.87	2.39	2.23	0.45	5.22	3.49	6.78	4.69	4.61
30	4.52	-	1.68	1.48	1.68	3.06	1.93	2.69	3.16	4.66	5.73	5.58
31	5.26	-	2.68	-	2.52	-	2.02	1.47	-	4.78	-	4.95

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Table IVb Rainfall totals in inches, divided by 35, thus giving 35-year means ranging from 'trace' to .70 in., for use with table IVa.

Totals in inches x	35 yr means $\bar{x}/_{35}$	Totals in inches x	35 yr means $\bar{x}/_{35}$
- .17	'trace'	12.43 - 12.77	.36
.18 - .52	.01	12.78 - 13.12	.37
.53 - .87	.02	13.13 - 13.47	.38
.88 - 1.22	.03	13.48 - 13.82	.39
1.23 - 1.57	.04	13.83 - 14.17	.40
1.58 - 1.92	.05	14.18 - 14.52	.41
1.93 - 2.27	.06	14.53 - 14.87	.42
2.28 - 2.62	.07	14.88 - 15.22	.43
2.63 - 2.97	.08	15.23 - 15.57	.44
2.98 - 3.32	.09	15.58 - 15.92	.45
3.33 - 3.67	.10	15.93 - 16.27	.46
3.68 - 4.02	.11	16.28 - 16.62	.47
4.03 - 4.37	.12	16.63 - 16.97	.48
4.38 - 4.72	.13	16.98 - 17.32	.49
4.73 - 5.07	.14	17.33 - 17.67	.50
5.08 - 5.42	.15	17.68 - 18.02	.51
5.43 - 5.77	.16	18.03 - 18.37	.52
5.78 - 6.12	.17	18.38 - 18.72	.53
6.13 - 6.47	.18	18.73 - 19.07	.54
6.48 - 6.82	.19	19.08 - 19.42	.55
6.83 - 7.17	.20	19.43 - 19.77	.56
7.18 - 7.52	.21	19.78 - 20.12	.57
7.53 - 7.87	.22	20.13 - 20.47	.58
7.88 - 8.22	.23	20.48 - 20.82	.59
8.23 - 8.57	.24	20.83 - 21.17	.60
8.58 - 8.92	.25	21.18 - 21.52	.61
8.93 - 9.27	.26	21.53 - 21.87	.62
9.28 - 9.62	.27	21.88 - 22.22	.63
9.63 - 9.97	.28	22.23 - 22.57	.64
9.98 - 10.32	.29	22.58 - 22.92	.65
10.33 - 10.67	.30	22.93 - 23.27	.66
10.68 - 11.02	.31	23.28 - 23.62	.67
11.03 - 11.37	.32	23.63 - 23.97	.68
11.38 - 11.72	.33	23.98 - 24.32	.69
11.73 - 12.07	.34	24.33 - 24.67	.70
12.08 - 12.42	.35		

Table V. Accumulated Frequencies of Daily Rainfall Amounts
1916-50

Douglas, Isle of Man

Daily Totals	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	All months
IV 4.6									1				1
3.2								1	1				2
2.7								1	2				3
2.6								1	2				3
2.5								1	2				3
2.4								1	2				3
2.3						1		1	2				4
2.2						1		1	2	1			5
2.1						1		1	2	2			6
2.0					1	1		1	3	2			8
1.9	1				1	1	1	1	4	2			11
1.8	2				1	1	2	1	4	2	1	1	15
1.7	2		1		1	1	2	2	5	4	1	1	20
1.6	3		2		1	2	2	2	6	5	1	1	25
1.5	4		3		1	2	2	5	6	9	3	2	37
1.4	5	1	3		1	2	2	7	6	9	5	2	43
1.3	6	3	4		2	3	3	10	9	11	7	5	63
1.2	8	3	4		2	4	4	13	12	13	10	7	80
1.1	12	3	6	1	3	6	4	16	14	18	11	9	103
1.0	13	7	7	1	7	7	10	18	18	26	21	13	148
0.9	18	10	9	4	9	10	13	25	21	34	29	21	203
0.8	25	14	12	5	17	17	19	36	30	47	33	30	285
0.7	45	20	25	9	27	28	29	48	43	64	55	45	438
0.6	67	27	36	14	38	43	39	58	58	78	67	67	592
0.5	105	50	49	32	54	59	54	80	90	118	105	97	893
0.4	140	84	69	61	73	83	79	109	125	152	142	137	1254
0.3	190	121	99	102	102	105	111	144	161	208	189	196	1728
0.2	312	196	172	177	171	153	174	211	241	280	282	286	2655
0.1	433	305	270	276	268	236	276	302	323	386	404	433	3912
IV 0.005	740	583	561	531	531	489	558	575	587	685	670	752	7262
* 0.004	343	406	524	519	554	561	527	510	463	400	380	333	5522
Total No. of days	1085	989	1085	1050	1085	1050	1085	1085	1050	1085	1050	1085	12784

*Including rainless days.

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Table V. Accumulated Frequencies of Daily Rainfall Amounts
1916-1950

Millbrook Reservoir, Jersey

Daily Totals	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	All months
IV 2.9								1					1
2.8								1					1
2.7								1					1
2.6								1					1
2.5								1					1
2.4								1					1
2.3								1					1
2.2								1		1			2
2.1								1	1	1			3
2.0								1	1	1			3
1.9								1	1	1		1	4
1.8								2	1	1		1	5
1.7				1			1	2	1	1	3	1	10
1.6				1			3	4	2	1	3	1	15
1.5				2			4	5	2	1	4	1	19
1.4	1			2			4	6	2	2	5	1	23
1.3	2			2			4	8	2	2	5	2	27
1.2	2			2			4	8	3	3	7	2	31
1.1	3	4		2	1		4	9	6	4	10	2	45
1.0	3	5	2	3	3	1	4	10	9	8	15	4	67
0.9	5	8	4	5	3	2	9	13	12	11	21	11	104
0.8	11	10	6	8	8	8	13	19	20	22	32	19	176
0.7	17	17	11	11	12	14	19	27	26	35	47	28	264
0.6	27	27	19	16	20	24	28	40	37	47	65	42	392
0.5	43	41	23	26	31	32	40	45	52	65	96	64	558
0.4	92	66	55	46	48	41	58	68	81	97	144	111	907
0.3	156	105	87	80	69	63	72	97	108	142	197	168	1344
0.2	257	166	144	142	117	84	113	142	166	215	289	263	2098
0.1	414	285	254	235	203	155	194	218	266	339	418	416	3397
IV 0.005	686	511	477	465	390	307	394	417	447	577	651	653	5975
* VI 0.004	399	478	608	585	695	743	691	668	603	508	399	432	6809
Total No. of days	1085	989	1085	1050	1085	1050	1085	1085	1050	1085	1050	1085	12784

* Including rainless days.

G.18692/CJH/9/63/50.

TABLE VI. Maximum and Minimum Monthly and Annual Totals of Rainfall, (in inches) 1916-50, with supplementary list covering extremes for the 50-year period, 1911 - 1960.

		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Douglas, Isle of Man	Max	1948	1937	1947	1940	1916	1928	1924	1950	1950	1938	1931	1934	1928
		10.89	7.61	7.84	4.64	5.86	6.57	5.76	7.21	10.38	9.00	11.08	11.31	57.36
1916-50	Min	1941	1932	1944	1938	1939	1925	1924	1947	1933	1946	1945	1926	1933
		1.74	0.15	0.89	0.41	0.65	0.11	0.46	0.31	0.98	0.54	0.27	1.24	32.79
Other Extremes 1911-60	Max	-	-	-	-	-	-	1960	1956	-	-	-	-	-
		-	-	-	-	-	-	6.09	7.96	-	-	-	-	-
	Min	-	-	1953	-	-	-	-	1959	-	-	-	-	-
		-	-	0.62	-	-	-	-	0.29	-	-	-	-	-
Millbrook Res., Jersey	Max	1936	1937	1947	1930	1928	1926	1940	1941	1927	1929	1940 1950	1934	1930
		6.53	7.00	5.61	4.63	5.48	4.11	4.94	8.25	7.17	7.39	9.23	8.07	47.00
1916-50	Min	1935	1934	1929	1938	1927	1925	1949	1940	1941	1921	1945	1926	1921
		1.10	0.25	0.04	0.07	0.16	0.01	0.22	0.02	0.28	0.64	1.17	1.10	16.66
Other Extremes 1911-60	Max	1956	1957	1912	-	-	1912	-	1912	1952	-	-	1914	-
		6.54	7.39	6.69	-	-	5.64	-	8.26	8.23	-	-	8.39	-
	Min	1953	1959	-	-	-	-	-	-	-	1951	-	1953	-
		1.01	0.10	-	-	-	-	-	-	-	0.61	-	1.10	-
Haut Nez, Guernsey	Max	1939	1916	1947	1926	1923	1926	1936	1931	1927	1928	1930	1934	1950
		6.79	6.88	6.17	4.22	4.75	3.95	5.83	6.94	6.42	7.78	9.59	8.87	43.41
1916-50	Min	1932	1934	1929	1938	1936	1925	1934	1940	1926	1931	1945	1926	1921
		0.82	0.04	0.09	0.03	0.70	0.00	0.11	0.02	0.28	0.54	0.81	1.50	17.37
Other Extremes 1911-60	Max	-	1951	-	-	-	1958	-	1912	1952	1960	-	-	1960
		-	7.41	-	-	-	4.62	-	7.12	7.89	8.75	-	-	52.58
	Min	1953	-	-	-	1911	-	-	-	-	-	-	1953	-
		0.65	-	-	-	0.41	-	-	-	-	-	-	1.15	-

G.18692/CJH/9/63/50.

TABLE VII. Maximum Daily Rainfall (in inches), 1916-1950 with additional maxima for the 50-year period, 1911 - 1960

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Douglas, Isle of Men												
Max.	1945	1945	1919	1941	1941	1938	1938	1932	1918	1942	1930	1936
1916-50	1.93	1.43	1.71	1.15	2.09	2.38	1.95	3.29	4.67	2.25	1.85	1.80
Max.	-	-	-	1953	-	-	-	-	-	-	-	-
1911-60	-	-	-	1.19	-	-	-	-	-	-	-	-
Millbrook Res., Jersey												
Max.	1925	1933 1937	1919	1930	1950	1936	1922	1931	1929	1928	1940	1940
1916-50	1.43	1.19	1.08	1.75	1.10	1.00	1.78	2.95	2.16	2.22	1.77	1.95
Max.	-	-	-	-	1951	-	-	-	-	-	-	-
1911-60	-	-	-	-	1.12	-	-	-	-	-	-	-
Haut Nez, Guernsey												
Max.	1939	1928	1937	1926	1950	1928	1918	1931	1919	1928	1930	1940
1916-50	1.13	1.07	1.05	1.70	1.36	0.96	1.47	2.40	2.50	1.75	1.81	2.36
Max.	1959	-	1913	-	-	1958	1913	-	-	-	-	-
1911-60	1.20	-	1.15	-	-	1.37	1.88	-	-	-	-	-

APPENDIX I

Intense Falls of Rain in 2 hours or less 1860 - 1960.

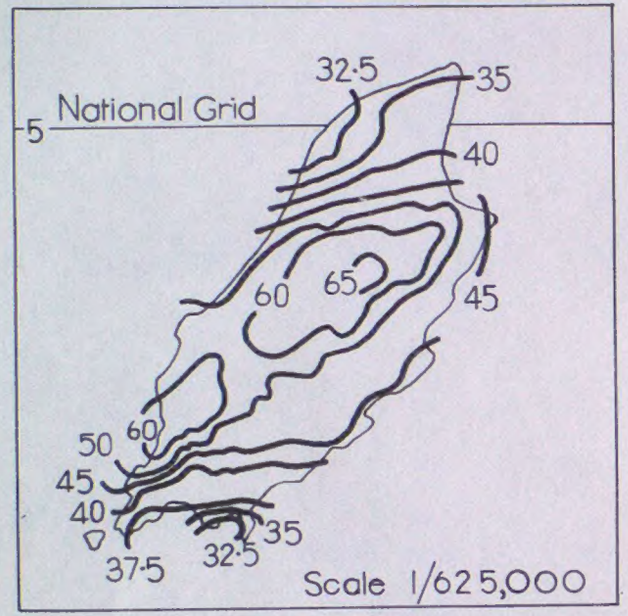
Extracted from British Rainfall.

Arranged in Chronological order under county headings.

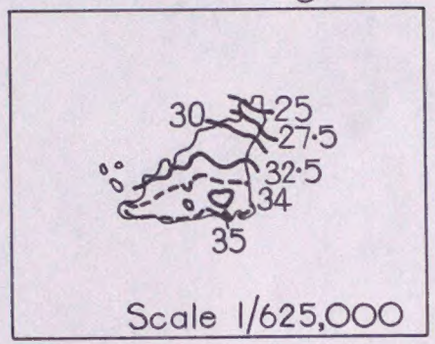
Year	Class	Station	Date	Amt. in.	D'r'n min.	Rate in/hr
Isle of Man						
1953	N	Ronaldsway Airport	June 26	1.12	66	1.02
"	N	" "	" 26	1.20	114	.63
Channel Islands						
1867	N	Guernsey	Sep. 10	1.50	120	.75
1911	R	Jersey, St. Aubins, Belle Vue	Oct. 13	2.09	90	1.39
1913	R	Alderney, Le Huret	Sep. 18	2.00	45	2.67
1914	VR	Guernsey, St. Martin's Road	Aug. 14	1.50	15	6.00
"	R	" " " "	Aug. 14	1.70	30	3.40
1924	N	Alderney, St. Anne's Rectory	Sep. 25	1.32	60	1.32
"	N	Guernsey, St. Martins, Les Blanches	" 7	1.50	75	1.20
1931	N	Jersey, St. Helier, St. Louis Obsy.	Aug. 24	1.30	60	1.30
1939	R	Guernsey, Vale, La Turquie Hill	Sep. 2	1.60	60	1.60

No reports available for the Channel Islands 1940 - 1945

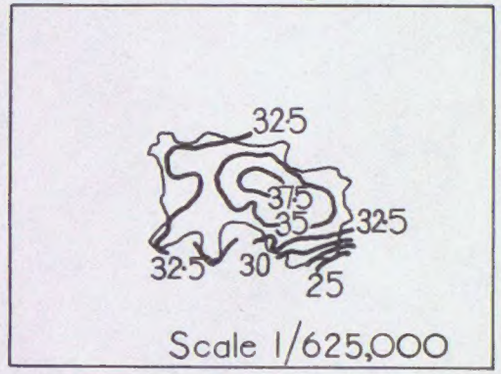
Isle of Man



Guernsey



Jersey



AVERAGE ANNUAL RAINFALL 1916-1950, (in inches) over the Isles of Man, Guernsey and Jersey.

A.M.PRB.E.1G/156/100/5/63/e.

Fig 1. Average Monthly Rainfall as percentage of Average Annual Rainfall 1916-1950.

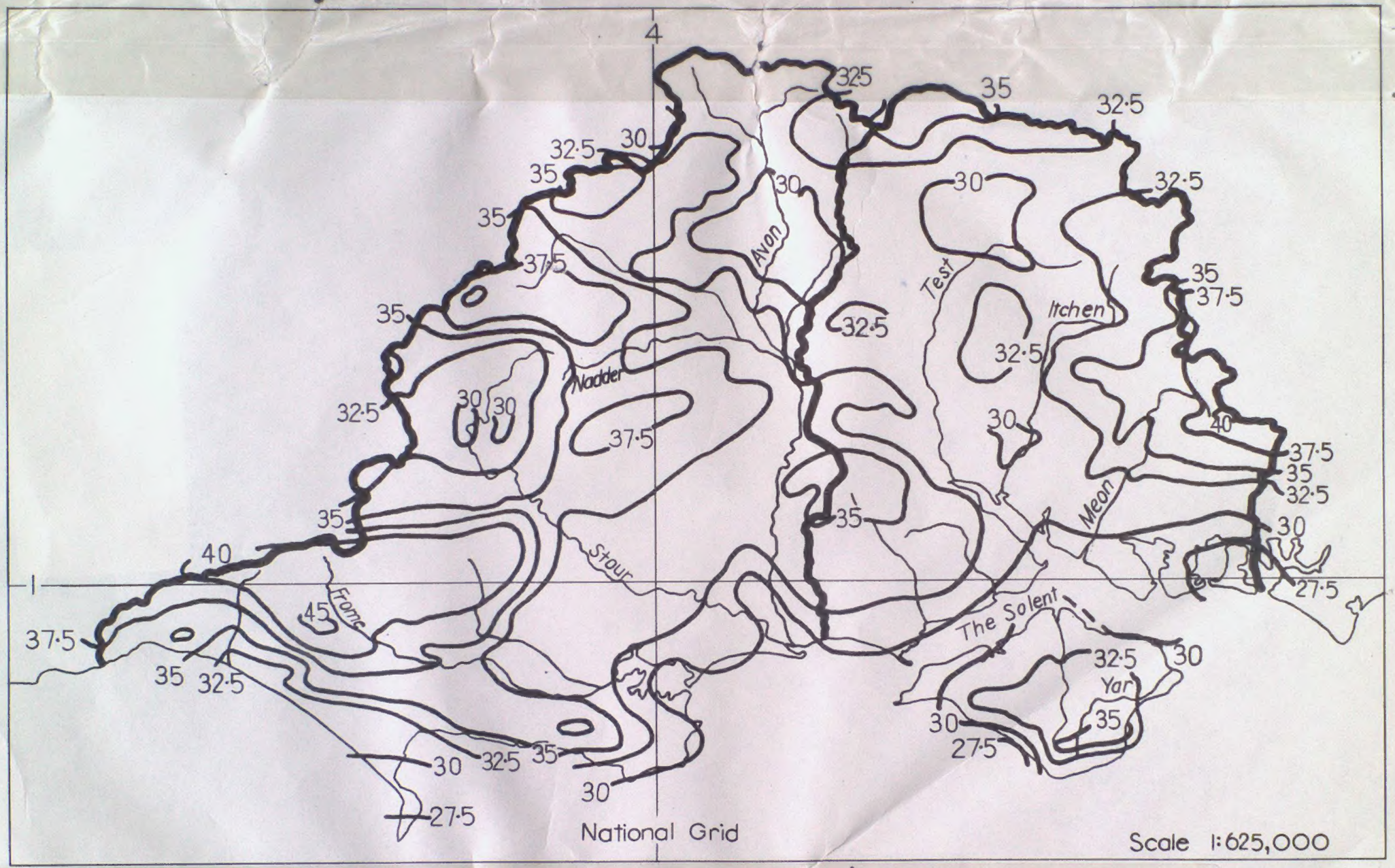


Fig. 2 AVERAGE ANNUAL RAINFALL 1916-50 (in inches) over the:
① Hants River Board. ② I.O.W. River Board. ③ Avon and Dorset River Board.